SHORT COURSE T3
CENTRIFUGAL COMPRESSORS 101

In 2011, **Mark J. Kuzdzal** was named Director of Business Development for Dresser-Rand's supersonic compressor development initiative. Here Mark is responsible for guiding development of the Rampressor supersonic compression platform. He coordinates with the Washington state based Ramgen Power Systems team, as well as working with Dresser-Rand operations and supply chain organizations to develop supply chain and component strategies. Prior to this assignment and for nearly a decade, Mark was the Manager of the Centers of Technical Excellence organization for Dresser-Rand Company. He oversaw Rotordynamics, Materials & Welding, Solid Mechanics, Aero/thermo dynamics and Acoustics disciplines. Mark started his career with Dresser-Rand as a Rotordynamics engineer after earning a B.S. Degree (Mechanical Engineering, 1988) from the SUNY - Buffalo. Mr. Kuzdzal's areas of expertise focus on rotordynamics, bearing performance, and product/process development. He has co-authored numerous technical papers and holds four U.S. Patents. Mr. Kuzdzal is a member of the Texas A&M Turbomachinery Advisory Committee and the Penn State Mechanical Engineering Technology industrial advisory committee. He is an NLA and ASME member.

Jay M. Koch is the Principle Engineering Leader for Dresser-Rand's LNG program. Prior to this assignment he was Manager Configure to Order Engineering, Centrifugal compressors. He has been employed at Dresser-Rand since 1991, working primarily in the Aerodynamics Group before being promoted to Manager of Aero/Thermo Design Engineering in 2005.

Prior to joining Dresser-Rand he was employed by Allied Signal Aerospace. He holds a BS degree in Aerospace engineering from Iowa State University. During his time in the Aerodynamics Group, his responsibilities included the development, design, and analysis of aerodynamic components of centrifugal compressors. Additionally he was responsible for the development of software used to select and predict centrifugal compressor performance. Jay has co-authored many technical papers.